

Title (en)
MEASUREMENT DEVICE AND MEASUREMENT METHOD

Title (de)
MESSVORRICHTUNG UND MESSVERFAHREN

Title (fr)
DISPOSITIF DE MESURE ET PROCÉDÉ DE MESURE

Publication
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Application
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Abstract (en)
[origin: EP2980558A1] A measurement apparatus includes a generation section and a measurement section and performs a predetermined measurement using a flow channel device including a narrow channel through which particles pass by a flow of a fluid and a measurement electrode section provided in the vicinity of the narrow channel. The generation section generates, in the measurement electrode section, an AC voltage that is higher than a characteristic frequency defined by a conductance of the fluid including the particles in the narrow channel and an electrical double layer capacitance formed by the measurement electrode section and has a frequency range indicating a conductance corresponding to a size of the particles. The measurement section measures, while the AC voltage is applied to the measurement electrode section, an electrical amount including at least the conductance obtained when the particles pass through the narrow channel.

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